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ABSTRACT

Modular resource configuration management in a service provider management system (SPMS) that connects to storage resources in a datacenter controlled by a service provider and a database that stores information about the datacenter and customers that receive the storage resources as a service is described. The SPMS enables the service provider to allocate storage resources to a customer, as well as to generate billing information based on storage resource configuration and customer usage. The SPSM software includes a device to monitor the resources for configuration and attributes/parameter information. The device is generalized to allow the monitored resources to be defined by corresponding executable modules. The executable modules thus present a common interface to the monitoring device, allowing the monitoring device to implemented in a generic (that is, resource-independent) manner.

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